

Titan RCG-30

WOVEN COATED GEOMEMBRANE



Commonly used in hydraulic fracturing, tank liners, water reservoirs, and heavy-duty containment projects, Titan RCG-30 is a heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. One side is laminated LDPE/LLDPE film and the other has a coating designed to improve toughness and abrasion resistance. This product is intended for long term buried or exposed applications.

PRODUCT SPECIFICATIONS:

Weave Woven black HDPE scrim
Coating 2.4 mil (57 g/m²/side)
Film 5.5 mil LDPE/LLDPE (0.14 mm)
Weight 14.7 oz/yd² (498 g/m²) ± 5%

PERFORMANCE PROPERTIES:

The following data are typical values based on ASTM standard tests. This data should not be considered specification.

Thickness ASTM D1777	Nominal 30 mil (0.75 mm) ± 10%
Grab Tensile (N) ASTM D7004	MD 410 lb (1820) TD 400 lb (1776)
Strip Tensile (N/5cm) ASTM D7003	MD 260 lb/in (2309) TD 260 lb/in (2309)
Tongue Tear—large scale (N) ASTM D5884	MD 79 lb (351) TD 81 lb (360)
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Mullen Burst ASTM D751	622 psi (4289 kPa)
MVTR ASTM E96 Proc. BW	0.33 g/m ² ·24hr (0.05 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	2.06 x 10 ⁻¹² cm/s
Hydrostatic Resistance ASTM D751	635 psi (4375 kPa)
Puncture Resistance ASTM D4833	195 lb (866 N)
CBR Static Puncture ASTM D6241	1272 lb (5658 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -2.9% TD -1.0%
Low Temperature Flex ASTM D2136-94	MD & TD: Pass @ -65°C (-85°F)
HP-OIT ASTM D5885 (Measured on coating formulation)	3048 minutes
Accelerated UV Weathering ASTM D7238	>90% strength retention after 10,000 light hours

MD = Machine Direction. TD = Transverse Direction
 i.Q.U.V [A-340 Lamps]; 20 hrs UV @ 75°C; 4 hrs condensation @ 60°C

These values are typical data and are not intended as limiting specifications.

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TITAN ENVIRONMENTAL CONTAINMENT

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